# AIMS AND SCOPE OF VARIOUS BIOMECHANICAL MODALITIED

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# SHOULDER WHEEL:

- Shoulder wheel is a therapeutic device used for rehabilitation of upper limb.
- The benefits are:
- increase strength of upper limb muscles
- increases joint range of motion

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FEATURES:-

.It revolves smoothly for shoulder exercise.

. It is made up of stainless steel or powder coated steel.

.Resistance control from 0 to maximum.

# SHOULDER LADDER:

- Ideal for progressive range for shoulder motion
- Improves strength of upper limb muscles
- Increases flexibility of joints

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.Shoulder ladder is a repetitive exercise to facilitate active assisted gross motor ability.

.Patient grasp a wooden bar and climb ladder by

Placing the hand higher and higher slot on the ladder.

FEATURES:-

.It is a simple equipment which is used to increase the range of motion of shoulder , wrist, and elbow.

.Ladder is divided into 30 steps and separated by 1.25 inch interval.

.It is wall mounted which allow the patient to use the equipment in either sitting or standing position.

INDICATION:-

.To increase the shoulder range of motion.

.After fracture immobilization

.Enhance the mobility and flexibility of shoulder.

# SHOULDER PULLEY

# SHOULDER PULLEYS

.It is an apparatus that hang or fix over a top of door or celling with a small pulley system near the top , the rope with handle hang down from the pulley that are pull to stretch the shoulder and help to relief the pain in condition like frozen shoulder.

INDICATION:-

.used in stiff shoulder , painful arc syndrome

. Use in case of weakness of upper limb

.simple to use re build muscle and increase range of motion of shoulder joint.